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Alfalfa	<u>Medicago sativa</u>	1-7,10,12,24
Barley	<u>Hordeum vulgare</u>	25,28,29,40,42-46 50,51,62,75-79,81
Beans, dry	<u>Phaseolus vulgaris</u>	49,55,57,58,209,210
Brome, smooth	<u>Bromus inermis</u>	1,4,5,12
Clover, red	<u>Trifolium pratense</u>	10
Corn	<u>Zea mays</u>	3-9,12,17,24,29,62,64 69,70,75-79,81,92-127 129-132,140,209,210
Cotton	<u>Gossypium hirsutum</u>	100
Flax	<u>Linum usitatissimum</u>	25,28,29,50,51,75,79,81
Oats	<u>Avena sativa</u>	8,10,17,20-25,28-30 39,50,51,59,75,76 78,79,81,152,207
Orchardgrass	<u>Dactylis glomerata</u>	1,3
Sorghum	<u>Sorghum vulgare</u>	1,7-10,21-23,50, 69,70,141-146
Soybeans	<u>Glycine max.</u>	8,9,17,20,24,25,28,29,75 76,78,79,81,152,154-213
Sugarbeets	<u>Betula vulgaris</u>	73,75-89
Sunflowers	<u>Helianthus annuus</u>	8,10,30,35,36,75,76,78,79,81
Trefoil, birdsfoot	<u>Lotus corniculatus</u>	3
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leafy	<u>P. foliosus</u> Raf.	90,91
small	<u>P. pusillus</u> L.	90,91
sago	<u>P. pectinatus</u> L.	90,91



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Bindweed, field	<u>Convolvulus arvensis</u> L.	60,62,63,71,72
Brome, downy	<u>Bromus tectorum</u> L.	4,12,47,48
Buckwheat, wild	<u>Polygonum convolvulus</u> L.	33,50,52,59,75 76,78,79,81,89
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Carpetweed	<u>Mollugo verticillata</u> L.	142,181,184
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Cocklebur, common	<u>Xanthium pensylvanicum</u> Wallr.	8,9,104,105,109-111 123,145,149,151,152,156-160 164,166,168,169,175-180,187-191,211
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large	<u>D. sanguinalis</u> (L.) Scop.	6,60,69,70,85,118 119,128,147,154,199,203
smooth	<u>D. ischaemum</u> (Schreb.) Muhl.	118,119,128
Dandelion, common	<u>Taraxacum officinale</u> Weber	5
Foxtail	<u>Setaria</u> spp.	2,30,35,43,75-81,130,181
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giant	<u>S. faberii</u> Herrm.	98,102,104,106-108 111,118,121,122,134-138 149,150,156-160,162,169-171 175-180,193,200,207,208
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tall	<u>I. purpurea</u> (L.) Roth	9, 105, 109, 111, 151, 166, 169
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Panicum, fall	<u>Panicum dichotomiflorum</u> Michx.	6,60,69,70,85,94 102,107,112,113 137,138,149,150,199
Pigweed	<u>Amaranthus</u> spp.	9,10,43,67,68,105,109 111,118,121-123,126-128 134,135,151,152,156-160 166,168-171,175-180,193,200
prostrate	<u>A. blitoides</u> S. Wats.	60,67,68,165,184
redroot	<u>A. retroflexus</u> L.	2,6,13,36,49,50,52,55,57,58 68,73,75,76,78,79,81-89,94,101 116,130,133,134,137,140,144 145,161,162,164,165,181,184 199,203,207,209,214
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tumble	<u>A. albus</u> L.	68
Purslane, common	<u>Portulaca oleracea</u> L.	55,142,181,209,214
Quackgrass	<u>Agropyron repens</u> (L.) Beauv.	1,2,4,5,71,72
Ragweed, common	<u>Ambrosia artemisiifolia</u> L.	2,9,10,13,55,57,58 105,107,109,111,114,115,118,119 130,142,149,150,156-160,166 168-171,175-181,184,199,200,203,209
Sagewort, green	<u>Artemisia candata</u> Michx.	1,11
Sandbur	<u>Cenchrus</u> spp.	118,119
Shattercane	<u>Sorghum bicolor</u> (L.) Moench	9,105,109,111 150,166,169,175-180
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Smartweed	<u>Polygonum</u> spp.	8-10,104,105,109-111 164,166,168-171,184
Pennsylvania	<u>P. pensylvanicum</u> L.	43,98,102,107,108,118 126-128,134,135,142,149,150 154,156-160,162,181,184,200,203
Spurge, leafy	<u>Euphorbia esula</u> L.	60,65,66
Sunflower	<u>Helianthus annuus</u> L.	86

Thistle, Canada	<u>Cirsium arvense</u> L. Scop.	60,62-64,71,72
Russian	<u>Salsola kali</u> L. var. <u>tenuifolia</u> Tausch	50,52,86,133,134
Velvetleaf	<u>Abutilon theophrasti</u> Medic	9,94,98,102 104-109,111,118 120-122,126-128,134-136 154,156-160,166,168-170 175-180,193,200-202,207,208
Waterhemp, tall	<u>Amaranthus tuberculatos</u> (Moq.) J. Sauer	68,94,147,154
Wild Oats	<u>Avena fatua</u> L.	30,32-35,37,40,42,45 46,49,50,53-56,73,75,77
Witchgrass	<u>Panicum capillare</u> L.	116,199,203
Woodsorrel, yellow	<u>Oxalis stricta</u> L.	181,184

X

X

X

- X**

X

- X**

BAS-3512-H	3-isopropyl-1 <u>H</u> -2,1,3-benzothiadiazin-(4)3 <u>H</u> -one 2,2-dioxide	1-3, 31, 51, 115, 116, 129 132, 133, 136, 141, 144, 152 153, 154, 155, 159, 160, 161 162, 164, 165, 178-180, 184-186 191, 194-198, 206, 216
BAS-3921-H	<u>N</u> -propyl- <u>N</u> -(2-chloroethyl)-2,6-dinitro-4-trifluoromethylaniline	31, 36, 153, 158, 161, 182, 208, 216
BAY-94337	4-amino-6- <u>t</u> -butyl-3-(methylthio)- <u>as</u> -triazin-5(4 <u>H</u>)-one	1, 6, 31, 48, 51, 61, 71, 72, 74 78, 93, 126, 128, 129, 131, 133 140, 153, 155, 159, 160, 165, 166 170, 172-174, 176, 177, 179, 186 189-191, 194-201, 203-205, 211-214
BAY-KUE-2236	1,1-dimethyl-3-(<i>m</i> -chloro- <i>p</i> -trifluoro-methoxyphenyl)	74, 78, 81, 92, 93, 126, 128, 132 140, 141, 143, 153, 186, 205, 209, 216
benefin	<u>N</u> -butyl- <u>N</u> -ethyl- <u>a</u> , <u>a</u> , <u>a</u> -trifluoro-2,6-dinitro- <u>p</u> -toluidine	1-3, 10, 208
bromoxynil	3,5-dibromo-4-hydroxybenzonitrile	2, 33, 43, 44, 51, 122 144, 148, 159, 160, 178-180 185, 186, 191, 194-198, 206
butylate	<u>S</u> -ethyl diisobutylthiocarbamate	1, 3, 10, 95, 97, 98, 101 102, 105, 106, 108, 109, 111-115 117-120, 124, 125, 129, 131, 134 135, 136, 141, 150, 164, 167

C

C-6313 (chlorobromuron)	N-(4-bromo-3-chlorophenyl)-N'-methoxy-N'-methylurea	95, 104, 106, 108, 113-115 119, 120, 124, 125, 127, 131 139, 148, 149, 155, 158, 166, 167 169, 170, 176, 177, 185, 186, 191 200, 201, 203, 204, 212, 213, 214
C-6989	see fluorodifen	
CGA-10832 (ER-5461)	<u>N</u> , <u>n</u> -propyl- <u>N</u> -cyclopropylmethyl-4-trifluoromethyl-2,6-dinitroaniline	153, 155, 158, 159, 182 201, 208-210, 212, 213, 217
chloramben	3-amino-2,5-dichlorobenzoic acid	10, 17-20, 27, 28, 36 49, 55, 57, 58, 60, 68, 72 78, 95, 109, 120, 122, 124, 125 127, 149, 155, 158, 161, 162, 165 166, 167, 169, 171, 172-174, 176, 178 186, 189, 190, 193, 201-206, 212, 213

chlorbromuron	proposed common name for C-6313	
chloroxuron	3- <u>p</u> -(<u>p</u> -chlorophenoxy)phenyl-1,1-dimethylurea	20,81 160,161,162,179,180 185,186,191,194-198 200,201,206,211-213
chlorpropham	isopropyl <u>m</u> -chlorocarbanilate	7,10,72,155,158,161 162,163,166,167,169 171,177,178,189-191 100,202,204,211-213
CIPC	see chlorpropham	
CP-52223	2-chloro-N-(isobutoxymethyl)-2',6',acetoxylidide	89
cycloate	<u>S</u> -ethyl N-ethylthiocyclohexanecarbamate	13,16,73 75,77,82,84,87
*cyprozine	2-chloro-4-cyclopropylamine-6-isopropylamino-1,3,5-triazine	9,17,24,41,62,63 68,95,96-98,101-103 106,108,112-115,117,119,120 122,124,125,131,132,134,135 137,138,146,148,189,190

D

dalapon	2,2-dichloropropionic acid	2,14,15,41,78 85,89,124,125,129
DCPA	dimethyl tetrachloroterephthalate	9,171
diallate	<u>S</u> -(2,3-dichloroallyl) diisopropylthiocarbamate	76,80
dicamba	3,6-dichloro- <u>o</u> -anisic acid	11,12,25,32,33,51 60,63,65,66,71,73,90 95,101-103,117,120,122 124,125,129,132,133,143
dinoseb	2- <u>sec</u> -butyl-4,6-dinitrophenol	7,14,15,49,55,57,58 133,154,155,160,161,162 163,165,166,171,176-178 185,191-204,206,211-214
diquat	6,7-dihydrodipyrido(1,2- <u>a</u> :2',1' <u>c</u>)pyrazinedium ion	91
diuron	3-(3,4-dichlorophenyl)-1,1-dimethylurea	61,62,91,93,100
DNBP	see dinoseb	
DPX-1840	3,3 <u>a</u> -dihydro-2-(<u>p</u> -methoxyphenyl)-8H-pyrazolo- /5,1- <u>a</u> /isoindol-8-one	153 160,179,185,217

*Proposed name for S-6115. While reported in this Research Report as cyprozine, the correct name is cyprazine.

DS-5328	2,5-dimethyl-1-pyrrolidinecarboxanilide	1,7,9,31,51,74 78,92,93,104-108,120 124-126,128-131,133,135,136 139,141,143,144,153,186,209,217
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E

EL-119	see oryzalin	
EL-179	4-isopropyl-2,6-dinitro-N,N-dipropylaniline	153,208
endothall	7-oxybicyclo(2.2.1)heptane-2,3-dicarboxylic acid	85,86 89,90,91
EP-475	ethyl <u>m</u> -hydroxycarbanilate carbanilate	85,89
EPTC	<u>S</u> -ethyl dipropylthiocarbamate	1-3,10,13-15,36,49,57 58,73,75-77,79,80,92,108,109 111,129,140,141,150,164,167

F

fenac	(2,3,6-trichlorophenyl)acetic acid	71,72
fluometuron	1,1-dimethyl-3-(<u>a</u> , <u>a</u> , <u>a</u> ,-trifluoro- <u>m</u> -tolyl)urea	78
*fluorodifen (C-6989)	2,4-dinitro-4-trifluoromethyldiphenylether	13-15,36 49,55,57,58,61-68 141,149,151,155,158,159 161,167,169,171,173,174,177 186,201,202,204,212,213

G

GS-13529	see terbuethylazine	
GS-14254	2- <u>sec</u> -butylamino-4-ethylamino-6-methoxy- <u>s</u> -triazine	1,7
GS-38946 (ER-9061)	N-ethyl-N-tetrahydrofurfuryl-4- trifluoromethyl-2,6-dinitroaniline	153,155,158,182 208,209,218

I

IMC-3950 S-(4-chlorobenzyl)-N,N-diethylthiol carbamate 1,2,31,51
74,78,87,92,93
126,127,129,133
140,153,165,205,218

*Proposed name for C-6989. While reported in this Research Report as fluorodifen, the correct spelling is fluorodiphen.

L

M

N

naptalam	<u>N</u> -1-naphthlphthalamic acid	154,155,158,161,162,163 166,171,177,178,185,189-191 200,202,204,206,211-213
NC-8438	2-ethoxy-2,3-dihydro-3,3-dimethyl- 5-benzofuranyl methanesulfonate	73-77,84,85 87-89,219
naphthalic anhydride	1,8-naphthalic anhydride	92,137,140,141,150
NIA-11092	m-(3,3-dimethyluriedo)phenyl- <u>text</u> -butylcarbamate	31,48 60,61,65,66

NIA-20439	3-(2-methylphenoxy) pyridazine	73, 74, 87, 88
nitralin	4-(methylsulfonyl)-2,6-dinitro- <u>N,N</u> -dipropylaniline	7, 17, 20, 155, 170, 172-174 176, 182, 186, 208
nitrofen	2,4-dichlorophenyl <u>p</u> -nitrophenyl ether	179, 180, 191
norea	3-(hexahydro-4,7-methaniondan-5-yl)-1,1-dimethylurea	9, 23, 143, 145, 146, 148 149, 166, 171, 176, 204

O

ORGA-3045	Na2.2.3.3 tetrafluoropropionate	74, 78, 93, 115
oryzalin	3,4-dinitro- <u>N</u> ⁴ , <u>N</u> ⁴ -dipropylsulfanilamide	36, 51, 78, 154 155, 159, 161, 164, 165 166, 176, 186, 201, 203 204, 206, 208, 212-214

P

paraquat	1,1'-dimethyl-4,4'-bipyridinium ion	1, 3, 6, 7, 13, 41 47, 48, 99, 185, 194-198
phenmedipham	methyl <u>m</u> -hydroxycarbanilate <u>m</u> -methylcarbanilate	73, 81-83, 85, 86, 89
picloram	4-amino-3,5,6-trichloropicolionic acid	11, 27, 28 51, 65, 66
PPG-124	<u>p</u> -chlorophenyl- <u>N</u> -methylcarbamate	1, 7, 61, 72
prometryne	2,4-bis(isopropylamino)-6-(methylthio)- <u>s</u> -triazine	170, 189-191
pronamide (RH-315)	<u>N</u> -(1,1-dimethylpropynyl)-3,5-dichlorobenzamide	1, 4-7
propachlor	2-chloro- <u>N</u> -isopropylacetanilide	14, 15, 21, 23, 27, 28 36, 95, 96, 101, 102, 105, 106, 111 116, 117, 119, 120, 124, 125, 127 131, 138, 142-146, 148, 149, 151
propazine	2-chloro-4,6-bis(isopropylamino)- <u>s</u> -triazine	9, 10, 21 22, 143, 149, 151
propham	isopropyl carbanilate	7

prynachlor (BAS-2903-A)	2-chloro- <u>N</u> -(1-methyl-2-propynyl) acetanilide	10,68,95,96,101,105,106 111,113-117,119,120,124 125,126,127,131,136,138 139,144-146,148,151,155 165,166,167,169,172-174 177,186,200-204,211-213
pyrazon	5-amino-4-chloro-2-phenyl-2(2H)-pyridazinone	73,77 82-86,89
R		
R-7465	2-(<u>a</u> -naphthoxy)- <u>N</u> - <u>N</u> -diethylpropionamide	31,36,73,74 76,87,88,153,206,220
RH-315 (pronamide)	<u>N</u> -(1,1-dimethylpropynyl)-3,4-dichlorobenzamide	1,4-7
S		
S-6115	see cyprozine	
SAN-6706	4-chloro- <u>s</u> -(dimethylamino)-2- <u>a</u> , <u>a</u> , <u>a</u> -trifluoro- <u>m</u> -tolyl-3(2H)-pyridazinone	93,115,153,205,220
SAN-9789	4-chloro-5-(methylamino)-2-(<u>a</u> , <u>a</u> , <u>a</u> -trifluoro- <u>m</u> -tolyl)-3-(2H)-pyridazinone	74,78,93,115,153,159,206,221
SD-15418	2-(4-chloro-6-ethylamino- <u>s</u> -triazin-2-ylamino)-2-methylpropionitrile	1,4,6,7,10,13-15 17,24,30,31,41,48,51 61-63,68,72,93,95-99 101,104-109,111-115,117-120 121,122,124,125,127,129,131 132,133,134,135,136-138,141 143,144-146,148,149,151,152 153,155,159,160,165,171,177 179,181,183,185,186,189-191 206
SD-16389	<u>propionitrile</u> ,2-(4-(ethylamino)-6-(methylthio)- <u>s</u> -triazin-2-ylamino)-2-methyl- <u>7</u>	31,33,51
SD-30053	ethyl 2-(<u>N</u> -benzoyl-3,4-dichloroanilino)propionate	30-35,40,42,45,46
silvex	2-(2,4,5-trichlorophenoxy)propionic acid	11,51

simazine	2-chloro-4,6-bis(ethylamino)- <u>s</u> -triazine 1,2,4-7,10 12,61,62,95,99,106-109 111-115,127,131,137,138,151
SN-503	mixture of phenmedipham and EP-475 73,74,82 83,85,89,221
SN-504	mixture of phenmedipham and EP-475 73,74 81-83,85,89,221

T

TCA	trichloroacetic acid 73,77,78,85,89
terbacil	3- <u>tert</u> -butyl-5-chloro-6-methyluracil 1,6,7,48
terbuethylazine	2- <u>tert</u> -butylamino-4-chloro-6-ethylamino- <u>s</u> - triazine 9,120,124,125 127,131,136,141,149
terbutryn	2-(<u>tert</u> -butylamino)-4-(ethylamino)- 6-(methylthio)- <u>s</u> -triazine 9,36,146
triallate	<u>S</u> -(2,3,3-trichloroallyl) diisopropylthiocarbamate 30,37,45,46
trifluralin	<u>a,a,a</u> -trifluoro-2,6-dinitro- <u>N,N</u> -dipropyl-p- toluidine 10,13-15,17,20,36 49,50,51,57,58,71,72,76,155 158,161,162,163,165,166,167 169,170,172-174,176,182,186 192,193,199,201,208,211-213
2,4-D	(2,4-dichlorophenoxy)acetic acid 1,9,11,12,21 23,30,33,39-41,51,59,62 65,66,92,95,108,116,117 143,145,146,148,189-191,214
2,4-DB	4-(2,4-dichlorophenoxy)butyric acid 2,72,185 189-191,194-198
2,4,5-T	(2,4,5-trichlorophenoxy)acetic acid 11

U

UCS-438	2-(3,4-dichlorophenyl)-4-methyl-1,2,4- oxadiazolidine-3,5-dione 1
USB-3584	N ³ ,N ³ -diethyl-2,4-dinitro-6-trifluoromethyl- 1,3-phenylenediamine 30,31,35,36,74,76,87,88 153,154,155,158,161,166,182 199,201,208,211-213,222

V

VCS	2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione	7,93,131,141,143
vernolate	<u>S</u> -propyl dipropylthiocarbamate	20,76,104-106,108,134 135,155,158,161,166,167 169,170,173,174,176,189 190,199,201,206,211-213

W

WL-17731 (SD-30053)	alanine,N-benzol-N-(3,4-dichlorophenyl)-,ethyl ester	38,49,50,53-56
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INDEX - CODED COMPOUNDS

The research reports include evaluations from field trials of coded herbicides for which the chemistry is not yet released. The Research Committee endorsed this procedure in order to make the Research Report more complete. The herbicides are listed in alphabetical order.

AC-50191	30,31,45,46	MC-4379	74,87,92,93,129,135 136,140-142,144,147 148,153,164,165,210,219
AC-92390	74,87,210,215	NIA-21844	209,219
AC-92553	210,215	NIA-21861	209,220
AN-56477	153,166,182,208,215	NIA-21868	209,220
BAS-3483	12,215	Ortho-13930	74,78,92,220
BAS-72461	74,87	R-21895	73,74,76,78,93 134,135,220
BAY-NTN-5006	74,87	R-25788	92,93,129,130,137,140
BTS-28135	87,88	RH-892	73,74,87,88
BTS-28849	74,87,88	RP-1156	74,81,220
CRD-696292	74,87,88	S-15076	131
CRD-703098	73,74,87,88	S-6176	9,93,97,98,120 124,125,135
DS-16654	93,126,127,209,218	SD-5379	153
DS-17335	93,126,217,218	TD-6266	31,32,221
DS-5168	93,121,122,126,127 135,139,209,217	TD-6266R	31,32,221
DS-5379	205,217	U-27267	73,74,87,88,93,115,222
FX-24	92,129,133,141 144,153,165,218	UC-19454	93,122
GA-7-10	93,122	UC-19455	93,122
GS-39985	153,182,208,209,218	UNI-J 395	93,140,153 182,209,221
H-22234	46,73,74,87,88	UNI-N 480	153,182,209,222
MB-20035	93,128,139,153,205,219		
MB-20825	98,126,128,139 140,153,219		

